

IN THE CLAIMS

Claims 23, 27, 40, and 43 are amended; claims 24-26, 28-29, 41-42, and 44-45 are cancelled without prejudice; claim 46 is added; and claims 1-22 and 30-39 previously have been cancelled without prejudice:

Claims 1-22 (CANCELLED)

23. (CURRENTLY AMENDED) A method for forming transmitting a data frame having a header portion and a data portion ~~transmitted~~ from a mobile station to a network for use in a wireless communication system comprising a base station operable to wirelessly communicate with a plurality of stations, the method comprising[[:]]:

assigning a first field of the header portion to indicate whether the data frame has a request of a time resource ~~for another data transmission~~ while sending data included in the data portion, wherein the first field has a first logic value when the data frame has the request of the time resource;

assigning a second field of the header portion to identify an amount of the time resource requested when the first field has the first logic value; and

assigning a third field of the header portion to contain ~~control information needed to process the data portion~~ a priority parameter representing control information related to at least one of a fragmentation and a retransmission; and
transmitting the data frame to the base station.

24. (CANCELLED)

25. (CANCELLED)

26. (CANCELLED)

27. (CURRENTLY AMENDED) A station operable within a wireless communication system, the station comprising:

a data frame generator configured to form a data frame, the data frame comprising a header portion and a data portion [[by:]] wherein the header portion further comprises

assigning a first field of the header portion to identify to indicate whether the data frame has a time resource request while sending data included in the data portion, the first field having a first logic value when the data frame has the request of the time resource for a future transmission;

assigning a second field of the header portion to identify an amount of the time resource requested for a future transmission when the first field has the first logic value;

assigning a third field of the header portion to contain control information needed to process the data portion a priority parameter representing control information related to at least one of a fragmentation and a retransmission; and

a transmitter for transmitting the data frame to a base station.

28. (CANCELLED)

29. (CANCELLED)

Claims 30-39 (CANCELLED)

40. (CURRENTLY AMENDED) A method of transmitting data from a mobile station to a network in a wireless communication system, the method comprising:

transmitting a time resource request within a data frame, ~~wherein the data frame comprises~~ comprising a header portion and a data portion, ~~[[and]]~~ wherein the header portion has at least a first field having a first logic value to indicate to the network that the data frame has the time resource request, a second field to contain identify an amount of time resource required when the first field has the first logic value, and a third field to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission ~~control information necessary to process the data portion;~~

receiving a time resource allocation responsive to the time resource request; and
transmitting the data frame within the allocated time resource.

41. (CANCELLED)

42. (CANCELLED)

43. (CURRENTLY AMENDED) A method of transmitting data in a wireless communication system, the method comprising:

forming a data frame in a mobile station having a header portion and a data portion, wherein the header portion has at least

a first field to indicate to the network that whether the data frame has ~~[[the]]~~ a time resource request, the first field having a first logic value when the data frame has the time resource request,

a second field to contain ~~contain~~ identify an amount of time resource required when the first field has the first logic value, and

a third field to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission ~~control information necessary to process the data portion;~~
transmitting the data frame to the network;

allocating the time resource responsive to the time resource request by the network;
receiving an indication at the mobile station of the allocated time resource;
and
transmitting the data frame from the mobile station to the network.

44. (CANCELLED)

45. (CANCELLED)

46. (NEW) A method for transmitting a data frame from a mobile station to a network for use in a wireless communication system comprising a base

station operable to wirelessly communicate with a plurality of stations, the method comprising;

forming the data frame, wherein the data frame comprises a header portion and a data portion, and wherein the header portion further comprises

a first field to indicate to the network whether the data frame has a time resource request while sending data included in the data portion, the first field having a first logic value when the data frame has the request of the time resource,

a second field to identify an amount of time resource required when the first field has the first logic value, and

a third field to contain priority parameter representing control information related to at least one of a fragment and a retransmission; and transmitting the data frame to a base station.